

<220>
 <221> SITE
 <222> (27)
 <223> X = A or G

5

<220>
 <221> SITE
 <222> (30)
 <223> X = P or R

10

<400> 4
 Asp Cys Glu Cys Leu Gly Gly Gly Arg Ile Ser His Gln Ser Gln Asp
 1 5 10 15

15 Xaa Lys Ile His Val Tyr Gly Tyr Ser Met Xaa Tyr Gly Xaa Ala Gln
 20 25 30

His

20

<210> 5
 <211> 44
 <212> PRT
 <213> mammalian

25

<220>
 <221> PEPTIDE
 <222> (1)..(44)
 <223> conserved mammalian sequence 3

30

<400> 5
 Tyr His Ala Asp Ile Tyr Asp Lys Val Ser Gly Asp Met Gln Lys Gln
 1 5 10 15

35

Gly Cys Asp Cys Glu Cys Leu Gly Gly Gly Arg Ile Ser His Gln Ser
 20 25 30

Gln Asp Lys Lys Ile His Val Tyr Gly Tyr Ser Met
 35 40

40

<210> 6
 <211> 124
 <212> PRT
 <213> rabbit

45

<220>
 <221> PEPTIDE
 <222> (1)..(124)
 <223> rabbit histidine protein phosphatase

50

<400> 6
 Ala Ala Ala Gly Leu Ala Gln Ile Pro Asp Val Asp Ile Asp Ser Asp
 1 5 10 15

55

Gly Val Phe Lys Tyr Val Leu Ile Arg Val His Ala Ala Pro Pro Ser
 20 25 30

60

Glu Ala Pro Gly Gly Glu Ser Lys Asp Ile Val Arg Gly Tyr Lys Trp
 35 40 45

Ala Glu Tyr His Ala Asp Ile Tyr Asp Lys Val Ser Gly Glu Leu Gln
50 55 60

5 Lys Lys Gly His Asp Cys Glu Cys Leu Gly Gly Gly Arg Ile Ser His
65 70 75 80

Gln Ser Gln Asp Arg Lys Ile His Val Tyr Gly Tyr Ser Met Gly Tyr
85 90 95

10 Gly Arg Ala Gln His Ser Val Ser Thr Glu Lys Ile Arg Ala Lys Tyr
100 105 110

15 Pro Asp Tyr Glu Val Thr Trp Ala Asp Asp Gly Tyr
115 120

<210> 7
<211> 123
20 <212> PRT
<213> rat

<220>
<221> PEPTIDE
25 <222> (1)..(123)
<223> rat histidine protein phosphatase

<400> 7
30 Asn Gly Leu Asn Thr Thr Arg Gly Lys Gly Ser Ser Pro Leu Gly Lys
1 5 10 15

Asp His Gln Glu Leu Glu Leu Leu Thr Pro Tyr Pro Ala Val Lys Phe
20 25 30

35 Ser Val Gly Pro Thr Arg Ala Thr Arg Ala Tyr Pro Glu Ala Thr Leu
35 40 45

Pro Thr Ser Ala Asp Ile Tyr Asp Lys Val Ser Gly Glu Leu Gln Lys
50 55 60

40 Asn Gly Tyr Asp Cys Glu Cys Leu Gly Gly Gly Arg Ile Ser His Gln
65 70 75 80

Ser Gln Asp Arg Lys Ile His Val Tyr Gly Tyr Ser Met Gly Tyr Gly
45 85 90 95

Arg Ala Gln His Ser Val Ser Thr Glu Lys Ile Lys Ala Lys Tyr Pro
100 105 110

50 Asp Tyr Glu Val Thr Trp Ala Asp Asp Gly Tyr
115 120

<210> 8
55 <211> 124
<212> PRT
<213> mouse

<220>
 <221> PEPTIDE
 <222> (1)..(124)
 <223> mouse histidine protein phosphatase

5

<400> 8
 Met Ala Ala Asp Leu Gly Gln Ile Pro Asp Val Asp Ile Asp Ser Asp
 1 5 10 15

10 Gly Val Phe Lys Tyr Val Leu Ile Arg Val His Leu Ala Glu Pro Ser
 20 25 30

Gly Asp Pro Ala Lys Glu Cys Lys Glu Ile Val Arg Gly Tyr Lys Trp
 35 40 45

15

Ala Glu Tyr His Ala Asp Ile Tyr Asp Lys Val Ser Gly Glu Leu Gln
 50 55 60

20 Arg Asn Gly Tyr Asp Cys Glu Cys Leu Gly Gly Gly Arg Ile Ser His
 65 70 75 80

Gln Ser Gln Asp Arg Lys Ile His Val Tyr Gly Tyr Ser Met Gly Tyr
 85 90 95

25 Gly Arg Ala Gln His Ser Val Ser Thr Glu Lys Ile Lys Ala Lys Tyr
 100 105 110

Pro Asp Tyr Glu Val Thr Trp Ala Asp Asp Gly Tyr
 115 120

30

<210> 9
 <211> 16
 <212> PRT

35 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Peptide for
 generating an antibody directed against histidine
 protein phosphatase

40

<400> 9
 Gln Ile Pro Asp Val Asp Ile Asp Ser Asp Gly Val Phe Lys Tyr Val
 1 5 10 15

45

<210> 10
 <211> 14
 <212> PRT

50 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: peptide for
 generating an antibody directed against histidine
 protein phosphatase

55

<400> 10
 Cys Leu Gly Gly Gly Arg Ile Ser His Gln Ser Gln Asp Lys
 1 5 10

60